



POWER AMPLIFIER PENTODE

Heater Coated	Unipotential Cathod	le		
Voltage	25	a-c or d-c	volts	
Current	0.3		amp.	
Maximum Overall Length	***	Δ	-5/8"	
Maximum Seated Height			-1/16"	
Maximum Diameter			13/16"	
Bulb			ST-14	
Base	o o Medium	Shell Octal		
Pin 1-No Connection		Pin 5-Grid		
Pin 2-Heater	3	Pin 7 - Heater		
Pin 3-Plate	は悪な	Pin 8 - Cathode		
Pin 4 - Screen		. ,,,, 0 000		
Mounting Position	U,E,®		Amir	
BO	TTOM VIEW (G-7S)		Any	
•	AMPLIFIER			
Plate Voltage		200 max.	volts	
Screen Voltage		135 max.	- 1	
Plate Dissipation		12.5 max.		
Screen Dissipation		2 max.		
Typical Operation and C.	naracteristics-Class	S A ₁ Ampliji		
Plate Voltage	105 135	200	volts	
Screen Voltage	105 135	135	volts	
Grid Voltage ♠	–1 6 –22	-23	volts	
Peak A-F Grid Volt.	16 22	23	volts	
Zero-Sig. Plate Cur.	48 61	62	ma.	
MaxSig. Plate Cur.	55 69	71	ma.	
Zero-Sig. Screen Cur.	2 2.5	1.8	ma.	
MaxSig. Screen Cur.	10 14.5	13	ma.	
Plate Resistance	15500 15000	18000	ohms	
Transconductance	4800 5000	5000	umhos	
Load Resistance	1700 1700	2500		
			ohms	
Total Harmonic Dist.	12.5 14	15	%	
Second Harmonic Dist.	7 8	8.5	%	
Third Harmonic Dist.	10 11	_11	%	
MaxSig. Power Outpu	t 2.4 4.3	7.1	watts	
In circuits where the cath the potential difference to	node is not directly con	nected to the	heater,	
law as seesible				
The type of input couplir in the grid circuit. Trans are recommended. When the than 0.1 megohm, fixed bias is required. With casistance not to exceed 0.5	ng should not introduce	too much res	istance	
in the grid circuit. Trans	stormer- or impedance-i	nput coupling	devices	
are recommended. when the than 0.1 medohm. fixed big	ne grid circuit has a i as may be used: for h	resistance not inher values.	nigner i cathode l	
bias is required. With ca	thode bias, the grid c	ircuit may hav	e a re-	
sistance not to exceed 0.5	megohm.			
			ļ	
			ĺ	
			ł	





Heater Coated Unipotential Cathodes Voltage 25 a-c or d-c v Current 0.15 a Direct Interelectrode Capacitances:	olts
Current 0.15 a	01131
	mp.
	mp.
Triode Unit:	
	uf
	μf
	μf
Pentode Unit:	۳'
	μf
	μf
	μf
THE PERSON NAMED IN COLUMN TO SERVICE AND ADDRESS OF THE PERSON NAMED IN COLUMN TO SE	uf
	μf
	μf
. •	716"
	3/4"
	/16"
_	_9 _9
	~
7 111 2 1 0112444	node
	اہ
Pin 4 - Pentode Screen (Cap - Pentode Gr	''
Pin 5-Triode Plate	
BOTTOM VIEW (8T)	
TRIODE UNIT	
Typical Operation and Characteristics:	i
	olts
	olt
Amp. Fact.	
	hms
	mhos
Grid Bias for	
Plate Cur. Cut-Off (approx.) -2.5 v	olts
	na.
PENTODE UNIT	
Typical Operation and Characteristics:	
	olts
100	olts
20,000	
	hms
	mhos
Tanocona.	05
Grid Bias for Transcond of 2 umbos -41 v	olts
11411300114: 01 = 500	
1400 0411	ia.
	na.
in directly where the cathode is not directly connected to the nea	ot as
In circuits where the cathode is not directly connected to the hea the potential difference between heater and cathode should be kep	